## Element Performance Inspection (EPI) Data Collection Tool 5.1.2 Weather Reporting / SAWRS (AW)

#### **ELEMENT SUMMARY INFORMATION**

#### Purpose of This Element (Certificate Holder's responsibility):

 For the Certificate Holder to comply with the requirements of the Weather Reporting / SAWRS process and to perform their duties and responsibilities to a high degree of safety.

#### **Objective** (FAA oversight responsibility):

- To determine if the Certificate Holder follows its procedures, controls, process measurements and interfaces for the Weather Reporting / SAWRS process.
- To determine if there were any changes in the personnel identified by the Certificate Holder as having responsibility and/or authority for the Weather Reporting/SAWRS process.

#### **Specific Instructions:**

 To accomplish this EPI, the inspector shall verify the Certificate Holder's policies and procedures for Weather Reporting / SAWRS are followed. The inspector shall verify that Weather Reporting / SAWRS personnel are trained and qualified. The inspector shall verify records of calibration are kept and the Weather Reporting / SAWRS station is calibrated and current, at the inspection location.

#### Related EPI(s):

- 1.3.14 General Maintenance Manual / Equivalent (AW)
- 4.2.1 Maintenance Training Program (AW)
- 5.1.1 Line Stations (AW)

#### SUPPLEMENTAL INFORMATION

#### Specific Regulatory Requirement(s) (SRRs):

• SRRs:

121.101(a)

121.119(a)

121.135(a)(1)

121.135(b)(1)

121.135(b)(2)

121.135(b)(3)

## Related CFR(s) & FAA Policy/Guidance:

- Related CFRs: Intentionally left blank
- FAA Policy/Guidance: FAA Order 8300.10, VOLUME 3, CHAPTER 145.

EPI	SEC	CTION 1 – PERFORMANCE OBSERVABLES	
oro	cedu	ve: (FAA oversight responsibility): To determine if the Certificate Holder ares, controls, process measures and interfaces for the Weather Report	
Tas			
		meet this objective, the inspector must accomplish the following tasks:	
1	too		
2	Re	view the policies, procedures, instructions and information for the Weatl porting / SAWRS process contained in the Certificate Holder's manual.	
3		view the associated SAI for this element with emphasis on the controls, asurements and interface attribute sections.	process
4		serve the Weather Reporting / SAWRS process to gain an understandir cedures, instructions and information contained in the Certificate Holde	•
5		cuss the Weather Reporting / SAWRS process with the personnel (othen nagement) who perform the duties and responsibilities required by the p	
Qu	estic	ons	
		meet this objective, the inspector must answer the following questions:	
1		re the following Performance Measures met:	
1.1	wea	es the dispatcher/flight follower provide current, approved ather reporting while conducting nonscheduled passenger / cargo operations?	☐ Yes ☐ No, Explain
		lated Performance JTI's:	□ Not Applicable
	2.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations in Class G airspace in accordance with the Certificate Holder's operations specifications C064 (a)(2). Sources: C.064(a)(2)  Check at the air carrier's specified location conducting supplemental operations provides weather reports that control flight are prepared and released by the U.S. National Weather Service or a source approved by the National Weather Service (Weather Bureau) are in accordance with the Certificate Holder's design. Sources: 121.119(a); 121.135(b)(1)	
	<ol> <li>4.</li> </ol>	Check at the air carrier's specified location conducting supplemental operations outside the U. S. that the weather reports provided which control flight are prepared by a source found satisfactory by the Administrator in accordance with the Certificate Holder's design.  Sources: 121.119(a); 121.135(b)(1)  Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower in	

			accordance with the Certificate Holder's operations specifications C064 (a)(2). Sources: C.064(a)(2)	
1	1.2	whi	es the pilot receive current, approved weather reporting le conducting nonscheduled passenger / all-cargo rations?	☐ Yes ☐ No, Explain ☐ Not Applicable
		Rel	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations in Class G airspace in accordance with the Certificate Holder's operations specifications C064 (a)(2). Sources: C.064(a)(2)	
		2.	Check at the air carrier's specified location conducting supplemental operations provides weather reports that control flight are prepared and released by the U.S. National Weather Service or a source approved by the National Weather Service (Weather Bureau) are in accordance with the Certificate Holder's design.  Sources: 121.119(a); 121.135(b)(1)	
		3.	Check at the air carrier's specified location conducting supplemental operations outside the U. S. that the weather reports provided which control flight are prepared by a source found satisfactory by the Administrator in accordance with the Certificate Holder's design.  Sources: 121.119(a); 121.135(b)(1)	
		4.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower in accordance with the Certificate Holder's operations specifications C064 (a)(2).  Sources: C.064(a)(2)	
1.3	1.3	Does the SAWRS station provide current, approved weather reporting while conducting nonscheduled passenger / all-cargo operations?		☐ Yes ☐ No, Explain ☐ Not Applicable
		Rel	ated Performance JTI's:  Check at the air carrier's specified location that the  Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and	
			all-cargo (scheduled and nonscheduled) terminal area IFR operations in Class G airspace in accordance with the Certificate Holder's operations specifications C064 (a)(2). Sources: C.064(a)(2)	
		2.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and	

1.4		all–cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower in accordance with the Certificate Holder's operations specifications C064 (a)(2).  Sources: C.064(a)(2) es the dispatcher/flight follower provide sufficient weather orts along the route of operation?	□ Yes
	•	ated Performance JTI's:	□ No, Explain
	1.	Check at the air carrier's specified location that the	
		Certificate Holder has enough weather reporting services	
		available along each route to ensure weather reports	
		necessary for the operation are in accordance with the Certificate Holder's design.	
		Sources: 121.101(a); 121.135(b)(24)	
1.5	Doe	es the SAWRS station maintain approval by the U.S.	□ Yes
	Nat	ional Weather Service?	□ No, Explain
	Rel	ated Performance JTI's:	□ Not Applicable
	1.	Check at the air carrier's specified location that the	
		Certificate Holder has an approved source of weather	
		reporting to conduct nonscheduled passenger and all-cargo (scheduled and nonscheduled) terminal area IFR	
		operations in Class G airspace in accordance with the	
		Certificate Holder's operations specifications C064 (a)(2).	
	_	Sources: C.064(a)(2)	
	2.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and	
		all-cargo (scheduled and nonscheduled) terminal area IFR	
		operations at airports without an operating control tower in accordance with the Certificate Holder's operations	
		specifications C064 (a)(2).	
		Sources: C.064(a)(2)	
	3.	Check at the air carrier's specified location that the	
		Certificate Holder has enough weather reporting services available along each route to ensure weather reports	
		necessary for the operation are in accordance with the	
		Certificate Holder's design.	
		Sources: 121.101(a); 121.135(b)(24)	
	4.	Check at the air carrier's specified location that only weather reports that have been approved by the U.S.	
		National Weather Service or a source approved by the U.S.	
		National Weather Service to control flight operations within	
		the 48 contiguous States and the District of Columbia, are	
		in use in accordance with the Certificate Holder's design. Sources: 121.101(b)(1); 121.135(b)(1)	
	5.	Check at the air carrier's specified location that reports	
		used for adverse weather phenomena affecting safety of	
		flight on each route to be flown use the adopted, approved system in accordance with the Certificate Holder's design.	

	6.	Sources: 121.101(d); 121.135(b)(24)  Check at the dispatch center that reports used for adverse weather phenomena are obtained by dispatchers are from the adopted, approved system for weather reports affecting safety of flight on each route to be flown is in accordance with the Certificate Holder's design.  Sources: 121.101(d); 121.135(b)(24)	
1.6		es the flight crew use only weather reports approved by the S. National Weather Service?	☐ Yes ☐ No, Explain
	Rel	lated Performance JTI's:	•
	1.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations in Class G airspace in accordance with the Certificate Holder's operations specifications C064 (a)(2). Sources: C.064(a)(2)	
	2.	Check at the air carrier's specified location conducting supplemental operations provides weather reports that control flight are prepared and released by the U.S. National Weather Service or a source approved by the National Weather Service (Weather Bureau) are in accordance with the Certificate Holder's design. Sources: 121.119(a); 121.135(b)(1)	
	3.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower in accordance with the Certificate Holder's operations specifications C064 (a)(2).  Sources: C.064(a)(2)	
	4.	Check at the air carrier's specified location that the Certificate Holder has enough weather reporting services available along each route to ensure weather reports necessary for the operation are in accordance with the Certificate Holder's design.  Sources: 121.101(a); 121.135(b)(24)	
	5.	Check at the air carrier's specified location that only weather reports that have been approved by the U.S. National Weather Service or a source approved by the U.S. National Weather Service to control flight operations within the 48 contiguous States and the District of Columbia, are in use in accordance with the Certificate Holder's design. Sources: 121.101(b)(1); 121.135(b)(1)	

1.7		es the dispatch/flight follower use only weather reports proved by the U.S. National Weather Service?	☐ Yes ☐ No, Explain
		ated Performance JTI's:	No, Explain
	1.		
	2.	Check at the air carrier's specified location conducting supplemental operations provides weather reports that control flight are prepared and released by the U.S. National Weather Service or a source approved by the National Weather Service (Weather Bureau) are in accordance with the Certificate Holder's design. Sources: 121.119(a); 121.135(b)(1)	
	3.	Check at the air carrier's specified location that the Certificate Holder has an approved source of weather reporting to conduct nonscheduled passenger and all–cargo (scheduled and nonscheduled) terminal area IFR operations at airports without an operating control tower in accordance with the Certificate Holder's operations specifications C064 (a)(2).  Sources: C.064(a)(2)	
	4.	Check at the air carrier's specified location that the Certificate Holder has enough weather reporting services available along each route to ensure weather reports necessary for the operation are in accordance with the Certificate Holder's design. Sources: 121.101(a); 121.135(b)(24)	
	5.	Check at the air carrier's specified location that only weather reports that have been approved by the U.S. National Weather Service or a source approved by the U.S. National Weather Service to control flight operations within the 48 contiguous States and the District of Columbia, are in use in accordance with the Certificate Holder's design. Sources: 121.101(b)(1); 121.135(b)(1)	
1.8		es the flight crew use only weather reports approved by the ministrator?	☐ Yes ☐ No, Explain
	Rel	ated Performance JTI's:	
	1.	Check at the air carrier's specified location conducting supplemental operations outside the U. S. that the weather reports provided which control flight are prepared by a source found satisfactory by the Administrator in accordance with the Certificate Holder's design. <i>Sources:</i> 121.119(a); 121.135(b)(1)	
	2.	Check at the air carrier's specified location that only weather reports that have been approved by the Administrator to control flight operations outside the 48 contiguous States and the District of	

		Columbia, are in use in accordance with the Certificate Holder's	
		design.	
4.0	<u> </u>	Sources: 121.101(b)(2); 121.135(b)(1)	
1.9		es the dispatcher/flight follower use only weather reports approved by Administrator?	□ Yes
	me	Administrator?	□ No, Explain
	Rel	ated Performance JTI's:	
	1.	Check at the air carrier's specified location conducting supplemental	
		operations outside the U. S. that the weather reports provided which	
		control flight are prepared by a source found satisfactory by the	
		Administrator in accordance with the Certificate Holder's design.	
	2	Sources: 121.119(a); 121.135(b)(1)	
	2.	Check at the air carrier's specified location that only weather reports that have been approved by the Administrator to control flight	
		operations outside the 48 contiguous States and the District of	
		Columbia, are in use in accordance with the Certificate Holder's	
		design.	
		Sources: 121.101(b)(2); 121.135(b)(1)	
1.10	Doe	es the SAWRS station provide reports of adverse weather	□ Yes
	phe	nomena?	□ No, Explain
	Rel	ated Performance JTI's:	□ Not Applicable
	1.	Check at the air carrier's specified location that reports	
		used for adverse weather phenomena affecting safety of	
		flight on each route to be flown use the adopted, approved	
		system in accordance with the Certificate Holder's design.	
	_	Sources: 121.101(d); 121.135(b)(24)	
	2.	Check at the dispatch center that reports used for adverse	
		weather phenomena are obtained by dispatchers are from	
		the adopted, approved system for weather reports affecting safety of flight on each route to be flown is in accordance	
		with the Certificate Holder's design.	
		Sources: 121.101(d); 121.135(b)(24)	
	3.	Check at the air carrier's specified location that the	
		adopted, approved system for obtaining reports of adverse	
		weather phenomena that may affect safety of flight at each	
		airport are used in accordance with the Certificate Holder's	
		design.	
		Sources: 121.101(d); 121.135(b)(24)	
	4.	Check at the dispatch center that all weather reports of	
		adverse weather phenomena affecting safety of flight, at each airport to be used, are obtained by the dispatcher	
		through an adopted, approved system in accordance with	
		the Certificate Holder's design.	
		Sources: 121.101(d); 121.135(b)(24)	
1.11	Doe	es the dispatch/flight follower use only weather reports	□ Yes
		roved by the Administrator for operations at U.S. military	□ No, Explain
	airp	orts?	□ Not Applicable
	Rel	ated Performance JTI's:	, tot / tppiloablo
	1.		
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Check at the air carrier's specified location conducting supplemental operations at U. S. Military airports where weather reports are not available, provides weather reports that are from a source found satisfactory by the Administrator, in accordance with the Certificate Holder's design.  Sources: 121.119(a); 121.135(b)(1)	
1.12Does the flight crew use only weather reports approved by the Administrator for operations at U.S. military airports?	☐ Yes ☐ No, Explain
<ol> <li>Related Performance JTI's:</li> <li>Check at the air carrier's specified location conducting supplemental operations at U. S. Military airports where weather reports are not available, provides weather reports that are from a source found satisfactory by the Administrator, in accordance with the Certificate Holder's design.</li> </ol>	□ Not Applicable
Sources: 121.119(a); 121.135(b)(1)  1.13Does the SAWRS station perform tests in accordance with Append Part 43 on its aircraft–type altimeters?	lix E of ☐ Yes ☐ No, Explain
<ol> <li>Related Performance JTI's:</li> <li>Check at the air carrier's specified location that each SAWRS sprovides records that a test and inspection as outlined in FAR 43, Appendix E, when two aircraft-type sensitive altimeters (m TSO C10B) are used as the altimeter setting sources, in comp with the Certificate Holder's design.</li> <li>Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragrap (1)(a)</li> </ol>	Not Applicable station Part leeting liance
1.14Does the SAWRS station perform calibrations every 24 months on its aircraft–type altimeters?	☐ Yes ☐ No, Explain
<ol> <li>Related Performance JTI's:</li> <li>Check at the air carrier's specific location that each SAWRS station provides records that show all aircraft type altimeters have been calibrated by an FAA approved instrument repair station every 24 months after initial certification in accordance with the Certificate Holder's design.         Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(f)     </li> </ol>	□ Not Applicable
1.15 Does the SAWRS station control environmental conditions to reduce induced errors?	© Yes □ No, Explain □ Not Applicable
<ul> <li>1.16 Does the SAWRS station have proper venting for altimeters that us forced air systems?</li> <li>Related Performance JTI's:</li> <li>1. Check at the air carrier's specific location that each SAWRS st has provided altimeters that are mounted in a reasonable, perr location in accordance with the Certificate Holder's design.</li> </ul>	Se
Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph	oh 5 A

	(1)(a)	
	Poes the SAWRS station properly mount its altimeters in a box r rack in a reasonable, permanent location?	☐ Yes
	Related Performance JTI's:	<ul><li>□ No, Explain</li><li>□ Not Applicable</li></ul>
1		— Пот Арріїсавіе
2		
	oes the SAWRS station properly mount and mark its altimeters at a nown height?	☐ Yes ☐ No, Explain
F	Related Performance JTI's:	☐ Not Applicable
1	. Check at the air carrier's specific location that each SAWRS station has a known height above sea level, plus or minus one foot, that is marked on the instruments or posted immediately adjacent to them in accordance with the Certificate Holder's design. Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (1)(b)	
1.19A	re the SAWRS station personnel properly trained and qualified?	□ Yes
F	Related Performance JTI's:	□ No, Explain
1	. Check at the air carrier's specified location that each SAWRS station communicates the altimeter setting information to the pilot by trained personnel in accordance with the Certificate Holder's design. Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (2)	□ Not Applicable
	oes the SAWRS station maintain the equipment used to communicate the pilot?	☐ Yes ☐ No, Explain
<i>F</i> .	Related Performance JTI's:  Check at the air carrier's specified location that each SAWRS station communicates the altimeter setting information to the pilot by trained personnel in accordance with the Certificate Holder's design.  Sources: 8300.10 Volume 3, Chapter 145, Section 2, Paragraph 5 A (2)	□ Not Applicable
	oes the Certificate Holder maintain training records for personnel at	□ Yes
n	on–federal weather reporting facilities?	<ul><li>☐ No, Explain</li><li>☐ Not Applicable</li></ul>
1.22D	oes the Certificate Holder ensure that non-federal weather reporting	□ Yes
	acilities are maintained in accordance with its policies and procedures?	□ No, Explain
		□ Not Applicable

## Template Dated 11/26/03

2	Were the Certificate Holder's policies, procedures, instructions and information, contained in its manual, for the Weather Reporting / SAWRS process followed?	☐ Yes ☐ No, Explain
3	Were the Weather Reporting / SAWRS process controls followed?	☐ Yes ☐ No, Explain
4	Did the records for the Weather Reporting / SAWRS process comply with the instructions provided in the Certificate Holder's manual?	☐ Yes ☐ No, Explain
5	Were the process measurements for the Weather Reporting / SAWRS process effective in identifying problems or potential problems and providing corrective action for them?	☐ Yes ☐ No, Explain
6	Did personnel properly handle the associated interfaces by complying with other written policies, procedures, instructions and information that are related to this element?	☐ Yes ☐ No, Explain

EPI SECTION 1 – PERFORMANCE OBSERVABLES –Drop Down Menu
1. Personnel.
2. Tools and Equipment.
3. Technical Data.
4. Procedures, policies or instructions or information.
5. Materials.
6. Facilities.
7. Controls.
8. Process Measures.
9. Interfaces.
10. Desired Outcome.
11. Other.

EPI	EPI SECTION 2 – MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES			
and that	<b>jective:</b> To determine if the person identified by the Certificate Holder having /or authority for the Weather Reporting / SAWRS is qualified, knowledgeab responsibility and/or authority. (The person with the authority may or may be the responsibility.)	le, and recognizes		
Tas	sks			
	To meet this objective, the inspector must accomplish the following tasks:			
1	Identify the person who has overall responsibility for the Weather Reportin process.	ng / SAWRS		
2	Identify the person who has overall authority for the Weather Reporting / S	SAWRS process.		
	NOTE: If no personnel or major program changes (as defined by the Prince affecting the responsibility or authority attributes for this element have occlast SAI and/or EPI was accomplished, then do not perform tasks 3 – 6. A 2.1 & 2.2, and provide the name/title.	urred since the		
3	Review the duties and responsibilities for the person(s) who manage the V / SAWRS process documented in the Certificate Holder's manual.	Veather Reporting		
4	Review the appropriate organizational chart.			
5	Discuss the Weather Reporting / SAWRS process with the management personnel identified in Tasks 1 and 2.			
6	Evaluate the qualifications and work experience of the management personants 1 and 2.	onnel identified in		
Qu	estions			
	To meet this objective, the inspector must answer the following questions:			
2.	Are the following aspects of the Management Responsibility and Authority addressed for the Weather Reporting / SAWRS process:	Attributes		
2.1	Is there a clearly identified person who is responsible for the quality of the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain Name/Title:		
2.2	Is there a clearly identified person who has authority to establish and modify the Certificate Holder's policies, procedures, instructions and information for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain Name/Title:		
2.3	Does the responsible person know that he/she has responsibility for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain ☐ Not Applicable		
2.4	Does the person with authority know that he/she has authority for the Weather Reporting / SAWRS process?	☐ Yes ☐ No, Explain ☐ Not Applicable		
2.5	Does the person with responsibility for the Weather Reporting / SAWRS process meet the qualification standards?	☐ Yes ☐ No, Explain ☐ Not Applicable		

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2.6	Does the person with authority to establish and modify the Weather Reporting / SAWRS process meet the qualification standards?	☐ Yes
		□ No, Explain
		□ Not Applicable
2.7	Does the person with responsibility understand the controls, process measurements, and interfaces associated with the Weather Reporting / SAWRS process?	□ Yes
		□ No, Explain
		□ Not Applicable
2.8	Does the person with authority understand the controls, process measurements, and interfaces associated with the Weather Reporting / SAWRS process?	□ Yes
		□ No, Explain
		□ Not Applicable
2.9	Does the responsible person know who has authority to establish and modify the Weather Reporting / SAWRS process?	□ Yes
		□ No, Explain
		□ Not Applicable
2.10	Does the individual with authority know who has the responsibility for the	□ Yes
	Weather Reporting / SAWRS process?	□ No, Explain
		□ Not Applicable

# EPI SECTION 2 - MANAGEMENT RESPONSIBILITY & AUTHORITY OBSERVABLES -Drop Down Menu

- 1. Assignment of responsibility.
- 2. Assignment of authority.
- 3. Does not understand procedures, policies or instructions and information.
- 4. Does not understand controls.
- 5. Does not understand process measurements.
- 6. Does not understand interfaces.
- 7. Span of control.
- 8. Position vacant.
- 9. Other.